

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query   | DBs                          | Default Operator | Plurals | Time Stamp          |
|-------|------|--|------------------------------|------------------|---------|---------------------|
| L45   | 56   | (fiber or strand or yarn or filament) with ((fungicid\$3 or anti-fungal or antifungal) and (anti-bacterial or anti-microbial or antibacterial or antimicrobial or biocid\$3 or bactericid\$3 or microbicid\$3)) with combination   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2010/05/28<br>12:20 |
| L44   | 41   | ((fiber or strand or yarn or filament) adj (anti-bacterial or anti-microbial or antibacterial or antimicrobial or biocid\$3 or bactericid\$3 or microbicid\$3)) and (coat\$3 same (fiber or strand or yarn or filament) same (fungicid\$3 or anti-fungal or antifungal))           | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2010/05/28<br>12:16 |
| L43   | 54   | ("3705938").URPN.  | USPAT                        | OR               | ON      | 2010/05/28<br>11:59 |
| L42   | 89   | 41 and filter  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2010/05/28<br>11:56 |
| L41   | 282  | ((fiber or strand or yarn or filament) same (integrat\$3 or incorporat\$3 or impregnat\$3) same (anti-bacterial or anti-microbial or antibacterial or antimicrobial or biocid\$3 or bactericid\$3 or microbicid\$3)) and (coat\$3 same (fungicid\$3 or anti-fungal or antifungal)) | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2010/05/28<br>11:56 |
| L40   | 60   | 30 and 39  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2010/05/28<br>11:50 |
| L39   | 533  | 38 and filter and (anti-bacterial or anti-microbial or antibacterial or antimicrobial or biocid\$3 or bactericid\$3 or microbicid\$3) and ((fungicid\$3 or anti-fungal or antifungal) same (integrat\$3 or coat\$3 or incorporat\$3 or impregnat\$3))                              | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2010/05/28<br>11:50 |

|     |       |  |                              |    |     |                     |
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| L38 | 2130  | (fabric or nonwoven or non \$woven or fiber or strand or yarn or filament) same (integrat \$3 or coat\$3 or incorporat\$3 or impregnat\$3) same (anti-bacterial or anti-microbial or antibacterial or antimicrobial or biocid\$3 or bactericid\$3 or microbicid\$3) and (fungicid\$3 or anti-fungal or antifungal) | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON  | 2010/05/28<br>11:49 |
| L37 | 17    | ("20030026914"  <br>"20030044447"  <br>"20030186955"  <br>"20040001880"  <br>"20040106340"  <br>"20040106341"  <br>"20040151755"  <br>"20040214490"  <br>"20050035327"  <br>"20050037058"  <br>"20050227895"   "4104227"  <br>"5945032"   "6153210"  <br>"6296863"   "6584668"  <br>"6821936").PN.                 | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON  | 2010/05/28<br>11:43 |
| L36 | 20    | (fabric or nonwoven or non \$woven or fiber or strand or yarn or filament) same (graft\$) same (\$dantoin or \$dantion or \$hydantion or \$hydantoin or bod or bodmh)  | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON  | 2010/05/28<br>11:39 |
| L35 | 23    | ("2779764").URPN.  | USPAT                        | OR | ON  | 2010/05/28<br>11:03 |
| L34 | 2     | ("2779764").PN.  | US-PGPUB;<br>USPAT;<br>USOOR | OR | OFF | 2010/05/28<br>11:02 |
| L33 | 18    | ("2920997").URPN.  | USPAT                        | OR | ON  | 2010/05/28<br>11:01 |
| L32 | 109   | (fabric or nonwoven or non \$woven or fiber or strand or yarn or filament) same (incorporat\$) same (\$dantoin or \$dantion or \$hydantion or \$hydantoin or bod or bodmh)   | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON  | 2010/05/28<br>10:49 |
| L31 | 17    | 29 and 30  | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON  | 2010/05/28<br>10:41 |
| L30 | 26671 | ("442"/\$).cds.  | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON  | 2010/05/28<br>10:41 |
| L29 | 250   | 27 or 28   | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON  | 2010/05/28<br>10:40 |

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| L28 | 214  | (fabric or nonwoven or non<br>\$woven or fiber or strand or<br>yarn or filament) same (integrat<br>\$3 or coat\$3 or impregnat\$3)<br>same (\$dantoin or \$dantoin or<br>\$hydantoin or \$hydantoin) | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/05/28<br>10:40 |
| L27 | 36   | (fabric or nonwoven or non<br>\$woven or fiber or strand or<br>yarn or filament) same (integrat<br>\$3 or coat\$3 or impregnat\$3)<br>same bod   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/05/28<br>10:39 |
| L25 | 27   | 7 and bodmh  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/05/28<br>10:38 |
| L23 | 3    | 7 and bod  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/05/28<br>10:38 |
| L20 | 34   | 18 not 10  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/05/28<br>10:31 |
| L18 | 60   | 17 not 13  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/05/28<br>10:30 |
| L17 | 100  | 15 or 16   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/05/28<br>10:30 |
| L16 | 41   | 5 and (\$dantoin or \$dantoin)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/05/28<br>10:30 |
| L15 | 59   | 7 and (\$dantoin or \$dantoin)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/05/28<br>10:30 |
| L14 | 0    | 7 and (* dantoin or * dantoin)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/05/28<br>10:30 |
| L13 | 40   | 5 and (\$hydantoin)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/05/28<br>10:22 |
| L11 | 2    | 10 and fabric  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/05/28<br>10:19 |
| L10 | 36   | 7 and 8  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/05/28<br>10:18 |
| L8  | 374  | (bromo\$chloro<br>\$dimethylhydantoin or<br>(bromochlorodimethyl adj<br>hydantoin) or bodmh)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/05/28<br>10:18 |
| L7  | 1853 | 6 and filter and (anti-bacterial<br>or anti-microbial or antibacterial<br>or antimicrobial or biocid\$3)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2010/05/28<br>10:17 |

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| L6   | 132075 | ("210"/\$).ccls.   | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON | 2010/05/28<br>10:16 |
| L5   | 1005   | 2 or 3 or 4  | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON | 2010/05/28<br>10:16 |
| L4   | 118    | (442/125).ccls.  | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON | 2010/05/28<br>10:15 |
| L3   | 126    | (442/124).ccls.  | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON | 2010/05/28<br>10:15 |
| L2   | 850    | (442/123).ccls.  | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON | 2010/05/28<br>10:15 |
| L1   | 37     | ("2789078"   "3296069"  <br>"3412021"   "3520976"  <br>"4058618"   "4560766"  <br>"5023612"   "5063213").PN. OR<br>("5603941").URPN. | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON | 2010/05/28<br>09:49 |
| S151 | 19     | (bromo\$chloro<br>\$dimethylhydantoin) same<br>biocide   | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON | 2010/05/27<br>17:03 |
| S150 | 5      | (bromo\$chloro<br>\$dimethylhydantoin) same<br>coating   | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON | 2010/05/27<br>16:59 |
| S149 | 7      | bodmh same coating   | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON | 2010/05/27<br>16:58 |
| S147 | 2      | bodmh same fiber   | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON | 2010/05/27<br>16:45 |
| S146 | 2      | (bromo\$chloro<br>\$dimethylhydantoin) same<br>incorporat\$3   | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON | 2010/05/27<br>16:43 |
| S144 | 21     | S143 not S138  | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON | 2010/05/27<br>16:40 |
| S143 | 37     | S137 and fabric  | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON | 2010/05/27<br>16:40 |
| S142 | 1      | S137 and yarn  | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON | 2010/05/27<br>16:40 |
| S140 | 1      | S139 and (anti\$microbial same<br>(combination or multiple or<br>plural\$3))   | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON | 2010/05/27<br>16:38 |
| S139 | 1      | (US-20030170453-\$).did.   | US-PGPUB                     | OR | ON | 2010/05/27<br>16:37 |

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| S138 | 54   | S137 and fiber  | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON  | 2010/05/27<br>16:32 |
| S137 | 178  | (bromo\$chloro<br>\$dimethylhydantoin)  | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON  | 2010/05/27<br>16:32 |
| S136 | 1    | S135 and weight   | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON  | 2010/05/27<br>15:23 |
| S135 | 7    | ((("5057368") or ("5704966") or<br>("5713971") or ("5744236") or<br>("5759394") or ("5902384") or<br>("5951744")).PN.   | US-PGPUB;<br>USPAT;<br>USOOR | OR | OFF | 2010/05/27<br>15:07 |
| S134 | 4257 | (filter or barrier) and (anti-<br>bacterial or antibacterial or anti-<br>microbial or antimicrobial or<br>anti-fungal or antifungal) and<br>((fiber or filament or yarn or<br>strand) same polypropylene) | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON  | 2010/05/27<br>14:53 |
| S133 | 6    | S131 and (length or filament or<br>continuous)  | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON  | 2010/05/27<br>14:51 |
| S132 | 1    | S131 and (fiber with length)  | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON  | 2010/05/27<br>14:50 |
| S131 | 7    | ((("5037368") or ("5704966") or<br>("5713971") or ("5744236") or<br>("5759394") or ("5902384") or<br>("5951744")).PN.   | US-PGPUB;<br>USPAT;<br>USOOR | OR | OFF | 2010/05/27<br>14:50 |
| S130 | 215  | S129 and (filter or barrier or<br>nonwoven)   | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON  | 2010/05/27<br>14:08 |
| S129 | 374  | (bromo\$chloro<br>\$dimethylhydantoin or<br>(bromochlorodimethyl adj<br>hydantoin) or bcdmh)  | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON  | 2010/05/27<br>14:07 |
| S125 | 2    | (penalva-jo\$).in.  | US-PGPUB;<br>USPAT;<br>USOOR | OR | ON  | 2010/05/27<br>14:03 |

## EAST Search History (Interference)

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5/ 28/ 2010 3:50:18 PM

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